DRIVE ACADEMY®

MOVIDRIVE® B – 2 Day Operation Start Up and Troubleshooting

Training Description

The MOVIDRIVE B 2 day course allows the participant to gain further knowledge of the drive system in more depth compared to the single day course. The aim of this course is to not only acquire the basic knowledge of the MOVIDRIVE B, which will include using the software & keypads but also to understand the purpose of the MOVIDRIVE B in terms of the possibilities of the inverter. A key component of this training is the troubleshooting aspect, which will be a heavy focus on day 2 in order to have a better understanding on potential issues which can arise with day to day operations.

The software package MOTIONSTUDIO will be used to perform the majority of these tasks. The below course is a condensed version of the standard 3 day course, with the IPOSplus programming component removed.

Target Group

- Electricians, Engineers & Maintenance Staff

Seminar Objectives

- Know the technical data for the MOVIDRIVE B
- Use MOTIONSTUDIO and MT Manager to communicate with MOVIDRIVE® B
- Startup a motor in the VFC and CFC operating modes & Servo modes
- Save data with PC and keypad and upload it to the inverter
- Understand the tasks required for troubleshooting faults for all key components of a drive system – inverter, motor, brakes, encoders, application
- Control the inverter via fieldbus

Contents

- Theoretical properties of the AC motor when operated on the supply system and on the inverter including operation of different motor control properties
- Basic technical data for MOVIDRIVE B
- Wiring and startup of MOVIDRIVE B
- Commissioning inverters via SEW software packages
- Startup of different operating modes for motor control
- Data backup with PC and keypad
- Key parameter settings
- Using DBG60B keypad
- Extensive fault diagnostics with key drive & application faults, steps to prevent faults and procedures for troubleshooting, analysis and rectification of faults including all key components of the drive system
- Using SCOPE to record data channels
- SEW fieldbus profile with EtherNet/IP, EtherCAT or Profibus

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- Using SEW fieldbus diagnostic tools
- Introduction to Application Modules

Requirements

- Electrical engineering basics or qualification as electrician

Methods

- Educational dialogs, practical exercises

Location

- SEW

Duration

- 2 Days